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Ordovas, Jose M.
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<130> MNI-172CP2

<140> 09/031,626

<141> 1998-02-27

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 tgttcgggaa gcacgcaact catagtcggg gtaagtgtta ctccccaaaa agtttgcgt 479

<210> 7
 <211> 495
 <212> DNA
 <213> Human

<400> 7
 catgtcctgc agtgggcagg cagcgggagg gacagacttg gcgaaggggc cgagctcagc 60

0079153 000001

tttggctgtg gggccggagg tgtgcacaga cgtccagggc ccctgggttc caggcaggca 120
 ttgcaggcga gtagaaggga aacgtcccat gcagcggggc ggggcgtctg acccactggc 180
 ttccccaca gggagttcag gcacaaaagc aacatcacct tcaacaacaa cgacaccgtg 240
 tccttctctg agtaccgcac cttccagttc cagccctcca agtcccacgg ctccggagagc 300
 gactacatcg tcatgcccaa catcctggtc ttggtgaggc tgcctgtggg cccacgccgc 360
 ctgcaccct gacctegtcc cctgtctctc ctcccgctg ccccttgtgc agagagcagt 420
 ccctgaggtg gtcggagcgt ggggactcac gcctgggtggg tggctttcgg ccctgtgctg 480
 tctccaccac cccca 495

<210> 8
 <211> 526
 <212> DNA
 <213> Human

<400> 8
 ggtggttctg gtgtcccaga tgccccacgt ggccactcca ggggcctcct gcaccccagc 60
 atttcccttc atgggctctt tgctgtgagg ccagctggg gccaaaggag gatgggccag 120
 ccacgtccag cctctgacac tagtgtccct tcgccttgca gggtgccggc gtgatgatgg 180
 agaataagcc catgaccctg aagctcatca tgaccttggc attcaccacc ctggcggaac 240
 gtgccttcat gaaccgact gtgggtgaga tcatgtgggg ctacaaggac cccttgtgaa 300
 tctcatcaac aagtactttc caggcatgtt ccccttcaag gacaagtctg gattatttgc 360
 tgaggtacgt gtggcctggt gagaagccaa agattcaggc ctgtgtcctg tcttcccctc 420
 acacagcctg gacactggtc accagcttgc tttgtagctg gctggggatc tagtggtgtg 480
 gggttgtaag tgactgagaa cctgactcaa accggcttga gtgaaa 526

<210> 9
 <211> 416
 <212> DNA
 <213> Human

<400> 9
 cctctcggtc ccagacact gggcatttgg cagtgaacca gatgctgggg gccctgtcct 60
 tctggtggag ggggaggagg gctcagccca gaatgttcag accaggccgg ctcaatggca 120
 ggcctaagcc ttacgatgct gttccctgct gtgtctgtag ctcaacaact ccgactctgg 180
 gctcttcacg gtgttcacgg gggtcagaa catcagcagg atccacctcg tggacaagtg 240
 gaacgggctg agcaaggtga ggggcgagag gcgaggggcc ctgtcgccag ggagagggga 300

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```
<400> 11
ggaggtcgct gcagctccgc gggtagaga tggggcggt ttggaccgg gaggtggtag 60
cgcccgctggg gagaagtggc tggatctggg cagcctttgg cagggcctgg ctctggccgc 120
cgggtctggg tgtccctct catcctgtct gtccctgca gatccatgaa gctaattgtac 180
aaggagtcag ggggtgttga aggcattccc acctatcgct tcgtggctcc caaaaccctg 240
tttgccaacg ggtccatcta ccacccaac gaaggcttct gcccgctgct ggagtctgga 300
attcagaacg tcagcagctg caggttcagt acgtgccgtc ccctgttctg ggatngccgg 360
agggtgttag gtnnngggca cctnanggtt tatctgccca atgctgtctg cttaattctct 420
ggcctctgta ctcttgataa ccattaagc caaaaatatg atgcctctgg gacgatatct 480
g
481
```

<210> 12
 <211> 430
 <212> DNA
 <213> Human

<400> 12
 tgggggctttt tacagaatgg aggaagggat cctctctgtc ggggtattatg gtcacgcgcca 60
 cggggggtgcc gtgcagacca cagctctgtg cagacttccg gaggggcagg acgtgccaat 120
 atactgtcgt tgtatgatgt cccctccctg cccttggtgt aggtgcccc ttgtttctct 180
 cccatcctca cttcatcaac gccgaccggt ttctggcaga agcggtgact ggctgcacc 240
 ctaaccagga ggcacactcc ttgttcgtgg acatccaccc ggtgagcccc tgccatcctc 300
 tgtgggggggt ggggtgattcc tgggtggagc acacctggct gcctcctctc tccccaggca 360
 gagagctgct gtgggctggg gtgggtgggaa gcctggcttc tagaatctcg agccacaaaa 420
 gttccttact 430

<210> 13
 <211> 390
 <212> DNA
 <213> Human

<220>
 <223> All occurrences of n = any nucleotide

<400> 13
 cccagcctg tggcttggtt taggtaagat acaagcaagc tccactgggc agttagctgg 60
 gacgcccacc ctcttgactg ggaccaggga aaagaagggt gactgtgtcc ctggagcttg 120
 ggggtggcca gtctcctcac tgtgtttgtt gccgcaggtc acgggaatcc ccatgaactg 180
 ctctgtgaaa ctgcagctga gcctctacat gaaatctgtc gcaggcattg ggtgagtggg 240
 gactgggaac tggggctgca ttgctcattg agagattang tgctcagtgc tccagtgttc 300
 ccagactccc ctgacatacc ccaggaaaca gggcatgggg aaggagagg gtcctattgg 360
 ggggtggaatc cagtcctctg tgatcttctc 390

<210> 14
 <211> 370
 <212> DNA
 <213> Human

<400> 14
 atggctccta aagtgtttca gctcattgtt tatatttggg ggtgagggtt tagtgtgtgc 60
 aaaattatac taaacctgtt tagatgttgt attcaagcag aattagatca agtttgggtg 120

09729159-000004

taagactttg ttccaacacc tatgtcttgc ttatttccag acaaactggg aagattgagc 180
 ctgtggtect gccgctgctc tggtttgagc aggtaagggg gcgttgggca cagcgctcggg 240
 ggcttttgtt aatagccaat gtgggcattt gaggcaggag gcggggggag caccttgtag 300
 aaaggagag ggctgagcca gggtaaccgg actgttacat ggaccagcgt atcatacact 360
 tcaccctgtc 370

<210> 15
 <211> 470
 <212> DNA
 <213> Human

<400> 15
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 ggggaaaagc tgaggcgggc acagaggaag gtgttgggtg gcatctgcgc tgtagcccgc 120
 agcctgcggc cccagctcat gtgtttgtca ttctgtctcc tcagagcggg gccatggagg 180
 gggagactct tcacacattc tacactcagc tgggtgtgat gccaaggtg atgcactatg 240
 cccagtacgt cctcctggcg ctgggctgcg tctgtctgct ggtccctgtc atctgccaaa 300
 tccggagcca agtaggtgct ggccagaggc cagcccgggc tgacagccat tcgcttgccct 360
 gctgggggaa aggggcctca gatcggaccc tctggccaac cgcagcctgg agcccacctc 420
 cagcagcagt cctgcgtctc tgccggagtg ggagcgggtca ctgctggggg 470

<210> 16
 <211> 450
 <212> DNA
 <213> Human

<400> 16
 ccccatctc cagccacctg caatcgttga gggttgttgg actctaaact tatgtgcctt 60
 tectgtttcc tctttgcctt ttgcaaattg aagaaccgtg taaaaccatt tttatgtggc 120
 ttcaacgtca actataaatt agcttgggta tcttctagga gaaatgctat ttattttgga 180
 gtagtagtaa aaagggtca aaggataagg aggccattca ggctattct gaatccctga 240
 tgacatcagc tccaagggc tctgtgctgc aggaagcaaa actgtaggtg ggtaccaggt 300
 aatgccgtgc gctccccgc cccctcccat atcaagtaga atgctggcgg cttaaaacat 360
 ttggggtect gctcattcct tcagcctcaa cttcacctgg agtgtctaca gactgaagat 420
 gcatatttgt gtattttgct tttggagaaa 450

00779199-000004

$$\begin{aligned} \langle 210 \rangle & 20 \\ \langle 211 \rangle & 162 \end{aligned}$$

<212> DNA
<213> Human

<400> 20
gtgaggctgt gtccacgtga tggtaggacgg gccggctgac gctgggcatg ggacgggtct 60
caagtggacg ggatggggag gctgctgact gacccccaaa cattgttccg gaagcacgca 120
actcatagtc ggggtaagtg ctactcccaa aaaagtttgc gt 162

<210> 21
<211> 191
<212> DNA
<213> Human

<400> 21
catgtcctgc agtgggcagg cagcgggagg gacagacttg gcgaaggggc cgagctcagc 60
tttggtctgtg gggccggagg tgtgcacaga cgtccagggc ccctggttcc caggcaggca 120
ttgcaggcga gtagaaggga aacgtcccat gcagcggggc ggggcgtctg acccactggc 180
ttccccca g 191

<210> 22
<211> 162
<212> DNA
<213> Human

<400> 22
gtgaggctgc cctgtggccc acgccgcctc gcaccctgac ctggtcccct gtctctcctc 60
ccgcctgccc cttgtgcaga gagcagtccc tgaggtagtc ggagcgtggg gactcacgcc 120
tggtaggtgg ctttcggccc tgtgtgtctt ccaccacccc ca 162

<210> 23
<211> 161
<212> DNA
<213> Human

<400> 23
ggtggttctg gtgtcccaga tgccccacgt ggccactcca ggggcctcct gcaccccagc 60
atttccttc atgggctctt tgctgtgagg ccagctggg gccaaaggag gatgggccag 120
ccacgtccag cctctgacac tagtgtccct tcgccttgca g 161

<210> 24
<211> 162
<212> DNA
<213> Human

00779453 000001

<400> 24
gtacgtgtgg cctggtgaga agccaaagat tcaggcctgt gtctgtctt cccctcacac 60
agcctggaca ctggtcacca gcttgctttg tagctggctg gggatctagt ggctgtgggt 120
tgtaagtgac tgagaacctg actcaaaccg gcttgagtga aa 162

<210> 25
<211> 160
<212> DNA
<213> Human

<400> 25
cctctcggtc cccagacact gggcatttgg cagtgaacca gatgctgggg gccctgtcct 60
tctggtggag ggggaggagg gctcagccca gaatgttcag accaggccgg ctcaatggca 120
ggcctaagcc ttacgatgct gttccctgct gtgtctgtag 160

<210> 26
<211> 160
<212> DNA
<213> Human

<400> 26
gtgaggggag agaggcgagg gccctgtcg ccaggagag gggagggtgg gcccgccat 60
ggctgctcgg gagtggcagg gaccagagag ctcttcttc ctttgtcgtg aagagggtgc 120
tgggaggatg aacactcttg aagttggagg agggatttta 160

<210> 27
<211> 160
<212> DNA
<213> Human

<400> 27
tctctgtgtg tctacatagc ctgccctctt cccaccgtgc cagtattggg aattgagtgg 60
ccgtgctgac accagggtga gttaggtgtg cagcacctga gagggttat taaggggcct 120
tggccctact gaggggtcta gtctggatgc ttccccccag 160

<210> 28
<211> 160
<212> DNA
<213> Human

<400> 28
gtaatcactg ggactcgggg cctcctgggt ttctgggta gctcatggcc aaattctgtg 60
gtgttggtg tgcacttga aagcattttg actcatcgtg gatttgactc agtagccctt 120

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160

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<400> 29
ggaggtcgct gcagctccgc gggtagagaga tgggggcggg ttggaccgg gaggtggtag 60
cgcccgtggg gagaagtggc tggatctggg cagcctttgg cagggcctgg ctctggccgc 120
cggggtctggg tgtccctctc cctcctgtct gtcccttgca g 161
```

<220>
<223> All occurrences of n = any nucleotide

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<400> 30
gtacgtgccg tcccctgttc tgggatngcc ggagggtggt aggtntnggg cacctnangg 60
tttatctgcc caatgctgtc tgcttaatct ctggcctctg tactcttgat aaccattaa 120
gccaaaaata tgatgcctct gggacgatat ctg                                     153
```

```
<400> 31
tgggggctttt tacagaatgg aggaagggat cctctctgtc gggtattatg gtcatcgcca 60
cggggggtgcc gtgcagacca cagctctgtg cagacttccg gagtggcagg acgtgccaat 120
atactgtcgt tgtatgatgt cccctccctg ccttgttgt ag 162
```

```
<400> 32
gtgagcccct gccatcctct gtggggggtg ggtgattcct ggttgagca cacctggctg 60
cctcctctct cccaggcag agagctgctg tgggctgggg tggtggaag cctggcttct 120
agaatctcga gccaccaaag ttccttact                                     149
```

<210> 33
 <211> 157
 <212> DNA
 <213> Human

<400> 33
 cccagcctg tggcttggtt taggtaagat acaagcaagc tccactgggc agttagctgg 60
 gacgcccacc ctcttgactg ggaccaggga aaagaagggt gactgtgtcc ctggagcttg 120
 ggggtggcca gtctcctcac tgtgtttggt gccgcag 157

<210> 34
 <211> 159
 <212> DNA
 <213> Human

<220>
 <223> All occurrences of n = any nucleotide

<400> 34
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 ccagtgttcc cagactcccc tgacataccc caggaaacag ggcatgggga agggagaggg 120
 tcctattggg ggtggaatcc agtccctgct gatcttctc 159

<210> 35
 <211> 160
 <212> DNA
 <213> Human

<400> 35
 atggctccta aagtgtttca gtcattggt tatatttggt ggtgaggggt tagtgtgtgc 60
 aaaattatac taaacctggt tagatgttgt attcaagcag aattagatca agtttgggtg 120
 taagactttg ttccaacacc tatgtcttgc ttatttccag 160

<210> 36
 <211> 158
 <212> DNA
 <213> Human

<400> 36
 gtaaggggtgc gttgggcaca gcgtcggggg cttttgttaa tagccaatgt gggcatttga 60
 ggcaggaggc ggggggagca cttgttagaa agggagaggg ctgagccagg gtaaccggac 120
 tgttacatgg accagcgtat catacacttc accctgtc 158

<210> 37

0979150-0000001

<211> 164
 <212> DNA
 <213> Human

<400> 37
 cctggaggga ggaggtccct ggcaggctcc aacacatgct ttagccggga agcttgaggt 60
 ggggaaaagc tgaggcgggc acagaggaag gtgttgggtg gcattctgcgc ttagagccgc 120
 agcctgcggc cccagctcat gtgtttgtca ttctgtctcc tcag 164

<210> 38
 <211> 159
 <212> DNA
 <213> Human

<400> 38
 gtagggtctg gccagagggc agcccggtct gacagccatt cgcttgcttg ctgggggaaa 60
 ggggcctcag atcggaccct ctggccaacc gcagcctgga gccacctcc agcagcagtc 120
 ctgcgtctct gccggagtgg gagcgggtcac tgcctggggg 159

<210> 39
 <211> 158
 <212> DNA
 <213> Human

<400> 39
 ccccatctct cagccacctg caatcggtga gggttgttgg actctaaaact tatgtgcctt 60
 tcctgtttcc tctttgcctt ttgcaaattg aagaaccgtg taaaaccatt tttatgtggc 120
 ttcaacgtca actataaatt agcttgggta tcttctag 158

<210> 40
 <211> 163
 <212> DNA
 <213> Human

<400> 40
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 cggcttaaaa catttggggc cctgctcatt ccttcagcct caacttcacc tggagtgtct 120
 acagactgaa gatgcatatt tgtgtatttt gcttttggag aaa 163

<210> 41
 <211> 23
 <212> DNA
 <213> Human

<400> 41

00779153 000000

cccctgccgc cggaatcctg aag

23

<210> 42
<211> 24
<212> DNA
<213> Human

<400> 42
cgctttggcg gagcagccca tgtc

24

<210> 43
<211> 24
<212> DNA
<213> Human

<400> 43
tggggccctc atcactctcc tcac

24

<210> 44
<211> 23
<212> DNA
<213> Human

<400> 44
gcagcctccc catcccgtcc act

23

<210> 45
<211> 18
<212> DNA
<213> Human

<400> 45
attgcaggcg agtagaag

18

<210> 46
<211> 18
<212> DNA
<213> Human

<400> 46
caggcgggag gagagaca

18

<210> 47
<211> 20
<212> DNA
<213> Human

<400> 47
tgggctcttt gctgtgaggc

20

0077452-00001

20

20

20

19

19

20



23

20

20

20

21

20

20

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<400> 61
aaggtgttgg gtggcatctg
```

20

<400> 62
ggctccaggc tgcggttggc

20

<400> 63
ttgaagaacc gtgtaaaac

19

```
<400> 64
ttgaggctga aggaatga
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18

<400>	65							
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cggggggtgcc	gtgcagacca	cagctctgtg	cagacttccg	gagtggcagg	acgtgccaat		120	
atactgtcgt	tgtatgatgt	ccctccctg	ccctgttgt	aggtgcccc	ttgtttctct		180	
cccacctca	cttcatcaac	gctgaccg	ttctggcaga	agcggtgact	ggcctgcacc		240	
ctaaccagga	ggcacactcc	ttgttcgtgg	acatccaccc	ggtgagcccc	tgccatcctc		300	
tgtggggggt	gggtgattcc	tggttggagc	acacctggct	gcctcctctc	tccccaggca		360	

gagagctgct gtgggctggg gtggtgggaa gcctggcttc tagaatctcg agccaccaaa 420
gttccttact 430

<210> 66
<211> 160
<212> DNA
<213> Human

<400> 66
gtgaggggag agaggcgagg gcccctgtcg ccaggagag gggagggagg gcctggccat 60
ggctgctcgg gaggggcagg gaccagagag ctccttcttc ctttgcctg aagaggggtgc 120
tgggaggatg aacactcttg aagttggagg agggatttta 160

<210> 67
<211> 20
<212> DNA
<213> Human

<400> 67
aaccgggtca gcgttgagga 20

<210> 68
<211> 31
<212> DNA
<213> Human

<400> 68
tgccagaacc gggtcagcgt tgaggaagtg a 31

<210> 69
<211> 20
<212> DNA
<213> Human

<400> 69
tcctcaacgc tgacccggtt 20

<210> 70
<211> 31
<212> DNA
<213> Human

<400> 70
tcacttcctc aacgctgacc cggttctggc a 31

<210> 71
<211> 20
<212> DNA

26 of 36

20

31

20

31

21

31

agggtgggcc cggccatggc t

21

<210> 78
<211> 31
<212> DNA
<213> Human

<400> 78
aggggagggg gggcccggcc atggctgctc g

31

<210> 79
<211> 21
<212> DNA
<213> Human

<400> 79
agccatggcc agggccaccc t

21

<210> 80
<211> 31
<212> DNA
<213> Human

<400> 80
cgagcagcca tggccaggcc caccctcccc t

31

<210> 81
<211> 21
<212> DNA
<213> Human

<400> 81
agggtgggcc tggccatggc t

21

<210> 82
<211> 31
<212> DNA
<213> Human

<400> 82
aggggagggg gggcctggcc atggctgctc g

31

<210> 83
<211> 22
<212> DNA
<213> Human

<400> 83
tcctgggtgg gctggcgaag tc

22

00770453 000004
TGGGGG:GGTGGG

24

18

18

60

62

51

24

 $\langle 210 \rangle$ 90[illegible]

23

20

20

34

22

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<400> 95
actgcgaggaga tgaggggtcta gaaggtggtg gcgggggcatg tggaccgttg taagggctct 60
gggggttctctg ggtgggcttg cgaagtccta ctcacagtga ccaaccatga tgatggtccc 120
gatagaggag gagagggagg aggagggaaa aggaaggggtg aggggctcag aggggagagc 180
tgggaggagg ggagacatag gtgggggaag gggtaggaga aaggggaagg gagcaagagg 240
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gtgaggggca ccaggcccca tagacgtttt ggctcagcgg ccaagaggct tcatcagctc 300
 ccgccccaaa acggaagcga ggccgtgggg gcagcggcag catggcgggg cttgtcttgg 360
 cggccatggc ccgcgccctt gcccgtcga ttagcgcccc gcccgctccc cgcgcgacc 420
 ccgccccggg ccgcctcagg cccgcgccct gccgcggaa tcctgaagcc caaggctgcc 480
 cgggggcggt ccggcggcgc cggcgatggg gcataaaacc actggccacc tgccgggctg 540
 ctctgcgtg cgtgcgcgtc ccggatccac cgtgcctctg cggcctgcgt gccccgagtc 600
 cccgcctgtg tcgtctctgt cgcgctcccc gtctcctgcc aggcgcggag ccctgcgagc 660
 cgcgggtggg cccagggcgc gcagacatga gctgctccgc caaagcgcgc tgggctgccg 720
 gggcgctggg cgtcgcgggg ctactgtgcg ctgtgctggg cgtgtcatg atcgtgatgg 780
 tgccgtcgt catcaagcag caggctccta aggtgggtga gggagacccc aggggggtccg 840
 cgcacggacc cgggctgttg ggcgtgggc gccgggagga cccgcgcgtt gcggtgggtg 900
 ggcgaccgca gcggaatcgg cgcgggggcc tggcgccgca gaacacgagg gaggccaggc 960
 gcttcgggag gggctgctgc ccgcctcccc accaccctca cc 1002

<210> 96
 <211> 495
 <212> DNA
 <213> Human

<400> 96
 catgtcctgc agtgggcagg cagcgggagg gacagacttg gcgaaggggc cgagctcagc 60
 tttggctgtg gggccggagg tgtgcacaga cgtccagggc ccctggttcc caggcaggca 120
 ttgcaggcga gtagaaggga aacgtcccat gcagcggggc ggggcgtctg acccactggc 180
 ttccccaca gggagttcag gcacaaaagc aacatcacct tcaacaacaa cgacaccgtg 240
 tccttcctcg agtaccgcac ctccagttc cagccctcca agtcccacgg ctcgagagac 300
 gactacatca tcatgcccaa catcctggtc ttggtgaggc tgccctgtgg cccacgccgc 360
 ctgcaccct gacctcgtcc cctgtctctc ctcccgctg ccccttgtgc agagagcagt 420
 ccctgaggtg gtcggagcgt ggggactcac gcctgggtgg tggctttcgg ccctgtgctg 480
 tctccaccac cccca 495

<210> 97
 <211> 470
 <212> DNA
 <213> Human

00491630000

<210>	98
<211>	21
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<210>	99
<211>	31
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<213>	Human

<210>	100
<211>	21
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<213>	Human

<210>	101
<211>	31
<212>	DNA
<213>	Human

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<210> 102
<211> 21
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<212> DNA
<213> Human

<400> 102
gcggagcagc gcatgtctgc g 21

<210> 103
<211> 31
<212> DNA
<213> Human

<400> 103
ctttcgcgga gcagcgcattg tctgcgcgcc t 31

<210> 104
<211> 21
<212> DNA
<213> Human

<400> 104
cgcagacatg cgctgctccg c 21

<210> 105
<211> 31
<212> DNA
<213> Human

<400> 105
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